

**AMENDMENTS TO THE CLAIMS**

Please amend the claims as follows.

1. (Currently Amended) An automated method of updating data within a peer-to-peer enterprise information system comprising:
  - publishing a data change from a first source system over a broadcast channel, wherein said data change is of a first data type;
  - in response to said data change, a join engine peer accessing a global attribute object model to identify a second data type and additional attributes of said second data type, wherein said global attribute object model defines a first dependency between at least one attribute of said first data type and at least one attribute of a third data type and a second dependency between said additional attributes and attributes of [[a]] said third data type, wherein said first dependency requires synchronization of said third data type with said data change;
  - using a query to obtain said additional attributes from a second source system, wherein said query is generated using said global attribute object model;
  - generating a modified attribute set comprising said additional attributes and said data change; and
  - publishing said modified attribute set to a third source system, wherein said third source system is associated with said third data type, wherein said third data type is synchronized, as specified in said first dependency, with said data change in said modified attribute set.
2. (Previously Presented) A method as described in Claim 1 wherein said broadcast channel is associated with an adapter peer for said first source system for said first data type.
3. (Previously Presented) A method as described in Claim 1 wherein said data change includes at least one changed attribute and all other attributes of said first data type.
4. (Currently Amended) A method as described in Claim 3 wherein, if said additional attributes of said third data type are included within said all other attributes of said source first data type, said join engine peer forms said modified attribute set directly from said data change.

5. (Previously Presented) A method as described in Claim 1 wherein said global attribute object model maps dependencies between attributes of said third data type and attributes of said first data type.
6. (Previously Presented) A method as described in Claim 1 wherein said generating said modified attribute set comprises performing a data transformation.
7. (Previously Presented) A method as described in Claim 6 further comprising performing a data transformation for said data change.
8. (Original) A method as described in Claim 7 wherein said performing a data transformation is by said join engine peer.
9. (Original) A method as described in Claim 8 wherein said performing a data transformation comprises automatically transforming said data change into a transformation script of a transformation language for implementation by said join engine peer.
10. (Previously Presented) A method as described in Claim 9 wherein said transformation language is compliant with XSLT syntax.
11. (Previously Presented) A method as described in Claim 9 wherein said transformation language is compliant with JAVA language syntax.
12. (Currently Amended) An automated method of updating data within a peer-to-peer enterprise information system comprising:
  - in response to a data change of a first data type broadcast over a broadcast channel, a join engine peer accessing a global attribute object model to identify a second data type and additional attributes of said second data type, wherein said global attribute object model defines a first dependency between at least one attribute of said first data type and at least one attribute of a third data type and a second dependency between said additional attributes and attributes of [[a]] said third data type, wherein said first dependency requires synchronization of said third data type with said data change;

responsive to identifying said second data type, using said global attribute object model to generate a query for retrieving said additional attributes from a first source system;  
transmitting said query to said first source system;  
responsive to a reply from said first source system, performing a data transformation to generate a modified attribute set, wherein said modified attribute set comprises said additional attributes and said data change;  
publishing said modified attribute set to a second source system, wherein said second source system is associated with said third data type, wherein said third data type is synchronized, as specified in said first dependency, with said data change in said modified attribute set.

13. (Previously Presented) A method as described in Claim 12 wherein said broadcast channel is associated with an adapter peer for a third source system for said first data type.
14. (Previously Presented) A method as described in Claim 12 wherein said data change includes at least one changed attribute and all other attributes of said first data type.
15. (Previously Presented) A method as described in Claim 14 wherein, if said additional attributes of said third data type are included within said all other attributes of said first data type, said join engine peer forms said modified attribute set directly from said data change.
16. (Previously Presented) A method as described in Claim 12 wherein said global attribute object model maps dependencies between attributes of said third data type and attributes of said first data type.
17. (Original) A method as described in Claim 12 wherein said performing a data transformation comprises automatically transforming said data change into a transformation script of a transformation language for implementation by said join engine peer.
18. (Previously Presented) A method as described in Claim 17 wherein said transformation language is compliant with XSLT syntax.

19. (Previously Presented) A method as described in Claim 17 wherein said transformation language is compliant with JAVA language syntax.
- 20 – 31. (Cancelled)
32. (Currently Amended) A computer readable medium containing software instructions embodied therein for causing a computer system to perform a method for updating data within a peer-to-peer system comprising, the method comprising:
- publishing a data change of a first data type over a broadcast channel;
  - in response to said data change, a join engine peer accessing a global attribute object model to identify a second data type and additional attributes of said second data type, wherein said global attribute object model defines a first dependency between at least one attribute of said first data type and at least one attribute of a third data type and a second dependency between said additional attributes and attributes of [[a]] said third data type, wherein said first dependency requires synchronization of said third data type with said data change;
  - using said global attribute object model to generate a query for retrieving said additional attributes from a first source system;
  - transmitting said query to said first source system;
  - responsive to a reply from the first source system, generating a modified attribute set and publishing said modified attribute set to a third source system associated with said third data type, wherein said modified attribute set comprises said additional attributes and said data change, and wherein said third data type is synchronized, as specified in said first dependency, with said data change in said modified attribute set.
33. (Previously Presented) The computer readable medium of Claim 32, wherein said broadcast channel is associated with an adapter peer for a third source system for said first data type.
34. (Previously Presented) The computer readable medium of Claim 32, wherein said data change includes at least one changed attribute and all other attributes of said first data type.
35. (Previously Presented) The computer readable medium of Claim 34, wherein, if said additional attributes of said third data type are included within said all other attributes of said

first data type, said join engine peer forms said modified attribute set directly from said data change.

36. (Previously Presented) The computer readable medium of Claim 32, wherein said global attribute object model maps dependencies between attributes of said third data type and attributes of said first data type.
37. (Previously Presented) The computer readable medium of Claim 32, wherein said generating said modified attribute set comprises performing a data transformation.
38. (Previously Presented) The computer readable medium of Claim 37, further comprising performing a data transformation for said data change.
39. (Previously Presented) The computer readable medium of Claim 38, wherein said performing a data transformation is by said join engine peer.
40. (Previously Presented) The computer readable medium of Claim 39, wherein said performing a data transformation comprises automatically transforming said data change into a transformation script of a transformation language for implementation by said join engine peer.
41. (Previously Presented) The computer readable medium of Claim 40, wherein said transformation language is compliant with XSLT syntax.
42. (Previously Presented) The computer readable medium of Claim 40, wherein said transformation language is compliant with JAVA language syntax.